



FD-620

M.A/M.Sc. 3rd Semester
Examination, Dec.-Jan., 2021-22

MATHEMATICS

Optional (A)

Paper - V

Programming in 'C'
(with ANSI Features - I)

Time : Three Hours] [*Maximum Marks* : 70

Note : Answer any **two** parts from each question. All questions carry equal marks.

1. (a) How to format source file? Explain with example.
- (b) What is Expression? How to write expression in 'C' language? Explain with example.
- (c) Explain the anatomy of 'C' function.

(2)

2. (a) What is scalar data type ? How to declare it ? Explain with example.
(b) Explain the explicit conversion casts with example.
(c) What is Pointer ? How to find address of an object ? Explain with example.
3. (a) Explain the break and continue statement with suitable example.
(b) What is infinite loop ? How to control infinite loop in 'C' language ? Explain with example.
(c) Write a programme to check whether a given number is prime number or not.
4. (a) Write a programme to check a given number is even number or odd number using conditional operator.
(b) Explain the increment and decrement operator with suitable example
(c) What is Memory Operator ? Explain with suitable example
5. (a) Write a programme to find an element from array list.

(3)

- (b) Write a programme to addition of two matrix (assume 3×3 matrix).
 - (c) Write a programme to display transpose of matrix (assume 3×3 matrix).
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